

Serial No.: 09/889,888

IN THE CLAIMS:

1. (Cancelled)

2. (Currently Amended) An omnidirectional visual camera comprising:

a reflecting member ~~including~~ comprising:

a ~~rotating~~ rotationally symmetric surface portion having comprising a convex surface of a ~~rotating~~ secondary rotationally symmetric curved surface,

a cylindrical portion having a ~~cylindrical shape~~ walls surrounding said rotationally symmetric surface portion and having a ~~rotating~~ center cylindrical axis of rotation substantially virtually aligning with a ~~rotating~~ an axis of rotation of said rotationally symmetric ~~rotating~~ surface, and having a cylindrical inner diameter larger than an outer diameter of said rotationally symmetric ~~rotating~~ surface portion, and

Serial No.: 09/889,888

a connection section for connecting one longitudinal end of said cylindrical portion and with the outer diameter portion of said rotationally symmetricretating surface portion,;

said rotationally symmetricretating surface portion, said cylindrical portion, and said connection section being integrally molded of a transparent material,

~~the projecting surface of~~ said rotationally symmetricretating surface portion ~~being processed into~~ comprising a mirror surface; and

a camera having an optical axis substantially aligning with the ~~retating center-axis~~ rotation of said reflecting member and installed opposite to the convex surface of said rotationally symmetricretating surface portion,

said camera located for picking up a reflected image reflected from the convex surface of the rotationally symmetricretating surface portion of said reflecting member.

3.-4. (Cancelled)

Serial No.: 09/889,888

5. (Currently Amended) The omnidirectional visual camera according to Claim 12, wherein one end surface of the cylindrical portion to which the rotationally symmetric rotating surface portion is connected has a smaller diameter than the other end thereof.